CALEDON FLOORS
ROLLS-RIGHT INDUSTRIES LTD.
3200 E BROADWAY ST. VANCOUVER

TEL: 604.762.1990
EMAIL: INFO@CALEDONFLOORS.COM
CALEDONFLOORS.COM

GOLIATH COLLECTION – INSTALLATION INSTRUCTIONS

GENERAL

By choosing to install Caledon flooring, you affirm that you have comprehensively reviewed and comprehended all the details provided in this document, including but not limited to, warranty specifics and maintenance guidelines.

STORAGE AND HANDLING GUIDELINES

Immediately upon arrival at the project site, it is imperative to unload the flooring from the transportation vehicle.

Caledon WPC requires a period of acclimatization before installation can proceed.

During transit and storage, ensure the product is laid flat and fully supported. Storing or stacking the boxes on their sides or edges is strongly discouraged, as it may adversely affect the integrity of the locking mechanism.

For optimal acclimatization, position the flooring in the installation area under a controlled temperature between 65°F to 85°F [18° to 29°C] for no less than 48 hours prior to installation.

INSTALLER OBLIGATIONS

Be cognizant of the fact that Caledon WPC may exhibit expansion and contraction when subjected to extreme temperatures and direct sunlight. Such conditions could potentially disrupt the flooring's locking mechanism, especially in floating installations. To mitigate this risk, the installation site should have adequate window coverings to limit sun exposure.

Consideration must be given to the specific installation environment, and if prolonged exposure to sun or heat is anticipated, alternative products better suited to glue-down installations may need to be identified.

Caledon WPC is not recommended for areas subject to intense stress, such as those frequented by walkers, wheelchairs, or heavy equipment, as these conditions may compromise the flooring's locking system. In settings requiring robust traffic management, such as commercial spaces,

The subfloor must meet our flatness specifications within a tolerance of 3/16" over a span of 10 feet. Subfloor specifications and joist spacing guidelines must also be adhered to, ensuring the structural integrity of the installation.

CALEDON FLOORS
ROLLS-RIGHT INDUSTRIES LTD.
3200 E BROADWAY ST. VANCOUVER

TEL: 604.762.1990
EMAIL: INFO@CALEDONFLOORS.COM
CALEDONFLOORS.COM

GOLIATH COLLECTION – INSTALLATION INSTRUCTIONS

Preparation of the installation site is crucial, with a thorough assessment for moisture or alkaline presence required to guarantee a successful installation. Flooring installation should be the final step in the construction process, ensuring all other trades have completed their contributions. The project area must be completely enclosed and protected from the elements, with the HVAC system operational at least 48 hours in advance of installation to stabilize the environment. If radiant heating is part of the project, it must be maintained at 15°C [59°F] for 24 hours before installing Caledon flooring. Post-installation, the heating system can be gradually increased in 5°C increments, ensuring the temperature does not surpass 28°C [82°F]. It is recommended that a dedicated thermostat be installed to closely monitor and control the temperature of the radiant heating system, avoiding any abrupt temperature changes and maintaining it within the specified limits.

SUB-FLOOR REQUIREMENTS

Caledon WPC offers water resistance but should not be misconstrued as a moisture barrier. It is crucial that the subfloor be thoroughly dry before proceeding with the vinyl flooring installation. The structural integrity of the subfloor is paramount; it must be sound, firm, stable, level, and true to a precision of 3/16" over 10 feet [6mm over 3.28m]. Address any present cracks or holes using a fast-setting, cement-based, polymer-modified patching compound or an appropriate alternative. Surface irregularities exceeding 3/16" [5.7mm] require sanding or leveling to ensure a uniform surface free of debris, oil, and adhesive residues. The removal of carpet staples or adhesive remnants is essential to avoid hindrance during installation. Imperfections such as voids or bumps may interfere with the proper locking of the planks.

CONCRETE SUB-FLOORS

Conduct moisture testing on all concrete floors following ASTM F2170 standards [internal relative humidity], ensuring results do not surpass 92% IRH for loose lay click tiles. Additionally, pH levels must be tested in accordance with ASTM F710, with results not exceeding a pH of 9.9. Concrete installations must adhere to the ACI [American Concrete Institute] 302.2R-06 guidelines for slabs receiving moisture-sensitive flooring materials.

WOOD SUB-FLOORS

Wood subfloors require a clean, dry, level, and firm foundation, maintaining structural integrity with minimal deflection. The minimum subfloor thickness should be 5/8" for 16" on center floor joists, or ¾" for 19" on center. Moisture content in wood subfloors must not exceed 13%. For installations over crawlspaces, ensure a minimum of 18" of ventilated airspace below, with the crawlspace floor covered by an appropriate vapor barrier. Wood underlayment should be at least ¼" [6.35mm] thick, clean, dry, and maintain a moisture content below 13%.

OTHER SUBSTRATES

Caledon WPC is suitable for installation over existing firm flooring surfaces [e.g., Linoleum, PVC], excluding textile floors, which must be removed. For installations over ceramic tiles, first level the surface with a fast-setting cement-based polymer modified patching compounds.

CALEDON FLOORS
ROLLS-RIGHT INDUSTRIES LTD.
3200 E BROADWAY ST. VANCOUVER

TEL: 604.762.1990
EMAIL: INFO@CALEDONFLOORS.COM
CALEDONFLOORS.COM

GOLIATH COLLECTION – INSTALLATION INSTRUCTIONS

IMPORTANT NOTICE:

Neither the manufacturer, distributor, nor dealer assumes responsibility for installation failures that arise due to unaddressed site conditions, including but not limited to, vapor transmission, moisture permeation, improper pH levels, contaminated or damaged subfloors. While Caledon WPC is waterproof, it does not serve as a vapor barrier and is not guaranteed against damages caused by prolonged water exposure. The accountability for ensuring subfloor suitability and compatibility ultimately falls to the architect, designer, contractor, and installer involved in the project. Pre-installation tests do not guarantee the long-term viability of the substrate. Implement adequate measures such as vapor barriers, concrete sealers, and effective water diversion tactics to mitigate prolonged moisture exposure.

FLOOR INSTALLATION: MEASURING + PLANNING

For optimal results in floating floor installations, it is advisable to align WPC flooring at a perpendicular angle (90°) to the underlying floor joists. Initiating the installation process begins with a thorough measurement of the room to facilitate strategic planning. Should the calculation indicate that the width of the final row of planks will be less than 2 inches (5cm), it is prudent to adjust the layout to ensure that both the first and last rows of planks are of equivalent width, thereby achieving a harmonious appearance.

To accurately delineate the proposed layout, mark the substrate with snap lines that serve as reference points. These guidelines are critical for ensuring that planks are correctly aligned, facilitating a seamless locking mechanism during installation.

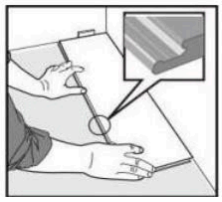
In expansive spaces where the flooring extends beyond 40 feet in length, incorporating an expansion gap is essential to accommodate natural material shifts. In smaller areas, or where such expansive gaps are not feasible, ensure to incorporate expansion spaces within and beneath door thresholds, concealing them with appropriate trim pieces for a polished finish.

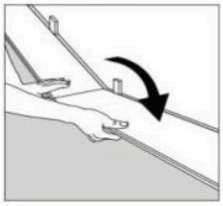
It is imperative to avoid a snug fit of the planks against door casings, walls, or other fixed structures. Instead, door casings should be undercut to allow planks to slide neatly underneath, maintaining a minimum clearance of 5/16 inches at points where undercutting is not possible or when planks rest atop other elements. This strategic spacing is crucial to account for the natural expansion and contraction of the flooring material, thereby preventing warping or distortion over time.

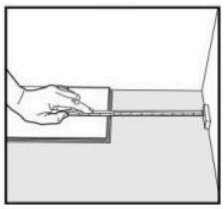
CALEDON FLOORS
ROLLS-RIGHT INDUSTRIES LTD.
3200 E BROADWAY ST. VANCOUVER

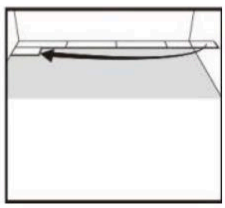
TEL: 604.762.1990
EMAIL: INFO@CALEDONFLOORS.COM
CALEDONFLOORS.COM

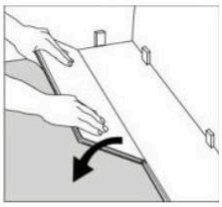
GOLIATH COLLECTION – INSTALLATION INSTRUCTIONS

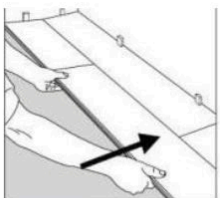


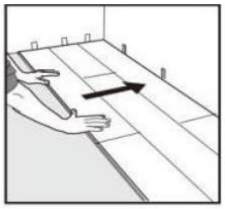












1. Initiate the installation process from the upper left corner of the room by positioning the first plank such that both its end and side seam grooves are accessible. The orientation for laying out the planks should proceed from left to right, ensuring a systematic and uniform installation.
2. Secure the second plank in the first row by aligning its short-end tongue with the groove of the previously installed plank. Apply firm pressure along the seam with your thumb to activate the 5G locking mechanism, ensuring a secure fit. You should notice the audible and tactile engagement of the locking tab. For optimal joint engagement, it is advisable to use a soft, white No. 2 rubber mallet to gently tap the joint into place vertically.
3. Proceed with this method for the entirety of the first row. Ensure the final plank is cut to size, preserving a 5/16" [8mm] expansion gap around the room's perimeter.
4. Begin the second row by halving a plank or utilizing the remainder from the previous row, adhering to the specified length criteria. Insert the first plank's long side tongue into the groove of the adjacent plank in the first row at a 25° angle. Gently press down on the plank, applying steady pressure towards the connected piece to ensure a snug fit.Confirm that an appropriate expansion gap is maintained along this wall to accommodate natural flooring adjustments.
5. For installing subsequent planks in the second row, initially position the long edge tongue at a slight angle into the groove of the plank from the previous row. Gently slide the plank leftwards until it snugly aligns with the plank already in place.
6. Gently press down on the plank, applying a light inward force towards the already positioned plank to ensure a secure and flush connection. This method guarantees that the planks interlock seamlessly and rest evenly on the floor.
7. Progressively install planks along the second row, spanning the room's length. Ensuring the alignment and squareness of these initial two rows is paramount, as they form the foundational basis for the subsequent installation. Regularly assess for uniformity and alignment during this phase.
8. Employ multiple 5/16" [8mm] spacers adjacent to the initial wall to guarantee adequate spacing and prevent the flooring from shifting towards the wall as the installation proceeds.
9. As you continue laying out the flooring, strive to achieve a varied pattern appearance, ensuring that the end seams of adjacent planks are staggered by a minimum of 8 inches. Also, uphold a 5/16" [8mm] expansion clearance at all immovable vertical junctures. Should you encounter any minor gaps or if the planks do not sit flush, detach the affected joint gently and realign accordingly.

CALEDON FLOORS
ROLLS-RIGHT INDUSTRIES LTD.
3200 E BROADWAY ST. VANCOUVER

TEL: 604.762.1990
EMAIL: INFO@CALEDONFLOORS.COM
CALEDONFLOORS.COM

GOLIATH COLLECTION – INSTALLATION INSTRUCTIONS

FINISHING AND PRECAUTIONS

- Remove all spacers and install molding on the wall-mounted plastic membrane, never attaching it to the floor to allow for expansion and contraction.
- Use rosettes or flexible silicone sealant for a tidy finish around pipes. Fill gaps in areas without profiles or moldings with flexible silicone sealant.
- Protect floors from furniture and chair legs using felt or rubber caps. Utilize solid-backed floor mats at exterior entrances to prevent debris indoors.
- Furniture on casters/wheels should have suitable, laminate floor-friendly rubber wheels or protective mats.
- Maintain room humidity between 35-55% using a humidifier or dehumidifier, if needed.

MAINTENANCE

- Clean dust and debris regularly using a broom or vacuum with soft bristles.
- Clean any spills or liquids immediately.
- Never use abrasive cleaning implements or products, waxes, or bleach.
- Use felt protectors or other protective devices under furniture, particularly items that are frequently moved. Use protective mats underneath office chairs.
- Maintain a consistent room temperature between 18°C to 28°C and a constant relative humidity between 35% and 55%.
- Do not drag heavy objects or furniture across floor. When moving appliances or furniture, lay a protective item such as cardboard and walk the heavy item across carefully.
- Place mats at exterior doors to reduce dirt and debris tracked onto floor. Do not use mats with rubber or latex backers as they may cause dis-coloration or staining.

OWNER / INSTALLER RESPONSIBILITY

The installer assumes all responsibility for final inspection of product quality. Inspection of the entire flooring should be done before installation. Carefully examine the flooring for color, finish and quality before installing. If the flooring is not acceptable, contact your dealer immediately.

If the installer doubts the manufacturing or finishing quality, he or she should not install it. Once the board is installed, it is considered as acceptance by the installer and the owner.

Caledon cannot be held liable for improper installation of its products or poor judgement by the installer. Caledon assumes no labour or installation charges.

LIMITED WARRANTY DOES NOT COVER THE FOLLOWING

Issues stemming from incorrect installation may include:

- Alteration in gloss level, dullness, scratching, cutting, scuffing, or chipping
- Damage resulting from pet-related incidents
- Problems due to accidents, misuse, or mishandling
- Damages occurring during renovation or construction
- Labor costs are not included in this warranty coverage.

CALEDON FLOORS
ROLLS-RIGHT INDUSTRIES LTD.
3200 E BROADWAY ST. VANCOUVER
TEL: 604.762.1990
EMAIL: INFO@CALEDONFLOORS.COM
CALEDONFLOORS.COM

GOLIATH COLLECTION – INSTALLATION INSTRUCTIONS

IT IS THE PURCHASER'S RESPONSIBILITY TO INSPECT ALL FLOORING FOR VISIBLE DEFECTS BEFORE INSTALLATION. FLOORING INSTALLED WITH DEFECTS IS DEEMED ACCEPTED BY THE CUSTOMER AND IS INELIGIBLE FOR REPLACEMENT. Caledon disclaims any responsibility for labor or incidental costs associated with the removal or reinstallation of products.

The customer is responsible for all ancillary costs, including labor for removal and reinstallation, additional materials, and any consequential expenses. Due to the unique manufacturing characteristics of the product, replacement flooring may not identically match the original in color, tone, or pattern.

These remedies constitute the sole and exclusive recourse available to the customer under this warranty.